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6.#&.-0!	1*4).#*0%*/-$!'()%*(%!7'!8%#$#&9!7:;7'! 1*4).#*0%*/-$!8%#5()%*(%5!<'!
=%,#./)*&!>#.!:(-3%0)(!?%-.!	@A@@B@C!
D-5/!EB?%-.!=%4)%F!	@A@AB@G!
H%I/!EB?%-.!=%4)%F!	@A@EB@J!
+%,-./0%*/!"2-).!	6-//9!K)L-F-!
:M/2#.!#>!=%4)%F!	6-//9!K)L-F-N!10)$)#!8.-*3%N!0%-*!<#.-*N! 0%>>!'%)/P!
+-/%!'MQ0)//%3!	G!K(/#Q%.!@A@C!

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%3M(-/)#*!(#M.5%5X!\/5!>-(M$/9!-*3!5/M3%*/5!-.%!4%.9!-(/)4%$9!)*4#$4%3!)*!.%5%-.(2X!

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R2%!3%, -./0%*/!#>>%.5!/F#!M*3%.&.-3M-/%!3%&.%%!, .#&.-05!-*3!-!&.-3M-/%!, .#&.-0a!
8%#$#&9!V7 ' N!7 : WN!1*4).#* 0%*/-$! ' ()%*(%!V7 ' WN!-*3!1*4).#* 0%*/-$!8%#5()%*(%!V < ' WX!

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+M.)*&!`-$$!@A@@N!/2%.%!F-5!-!/#/-$!#>!JA!0-_#.5!)*!/2%!3%, -./0%*/S5!, .#&.-05a!/2)5!
)*($M3%5!CE!1*4).#* 0%*/-$! ' ()%*(%!7 ' !0-_#.5N!GG!8%#$#&9!7 ' !#.!7 : !0-_#.5N!-*3!G[!
5/M3%*/5!)*!/2%!&.-3M-/%!, .#&.-0X!R2%!*M0Q%.!#>!5/M3%*/5!)*!/2%!&.-3M-/%!, .#&.-0!2-5!
%I, %.)%*(%3!-!0#3%5/!)*(.%-5%!#4%.!/2%!, -5/!>)4%!9%-.5!F2)$%!/2%!#/2%.!, .#&.-05!2-4%!
%I, %.)%*(%3!0#3%5/!3%(.%-5%5!V`)&X!GBCWX!

8.-3M-/%5!>.#0!3%, -./0%*/!, .#&.-05!-.%!(M..%*/$9!)*!2)&2!3%0-*3!)*!/2%!F#.L, $-(%N!-*3!
3%0-*3!)5!%I, %(/%3!/#!.%0-)*!5/.#*&!#4%.!/2%!*%I/!3%(-3%X!10, $#9%.5!)*($M3%!
%*4).#* 0%*/-$!-*3!%*&)*%%.)*&!(#*5M$/)*&!>). 05N!0M*)(), -$!F-/%.!-&%*()%5N!" -$)>#.*)-!
' /-/%!-&%*()%5N!b ' !+%, -./0%*/!#>!1*%.&9!$-Q#.-/#.)%5N!-*3!/2%!b ' !8%#$#&)(-$! ' M.4%9X!

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R2%!+%, -./0%*/!(M..%*/$9!2-5!5)I!/%*M.%B/.-(L!>-(M$/9N!/F#!#>!F2#0!-.%!>M$$B/)0%!-*3!>#M.!

L'D')

B. : C 5 5 ' (H)1I)9 22$22 5 $. D)* $2C-D2T)RORU%

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0$.$('-)*$E15 5$.4'D"1.2)I1(),(1/('5)?5K(1#5.DJ)

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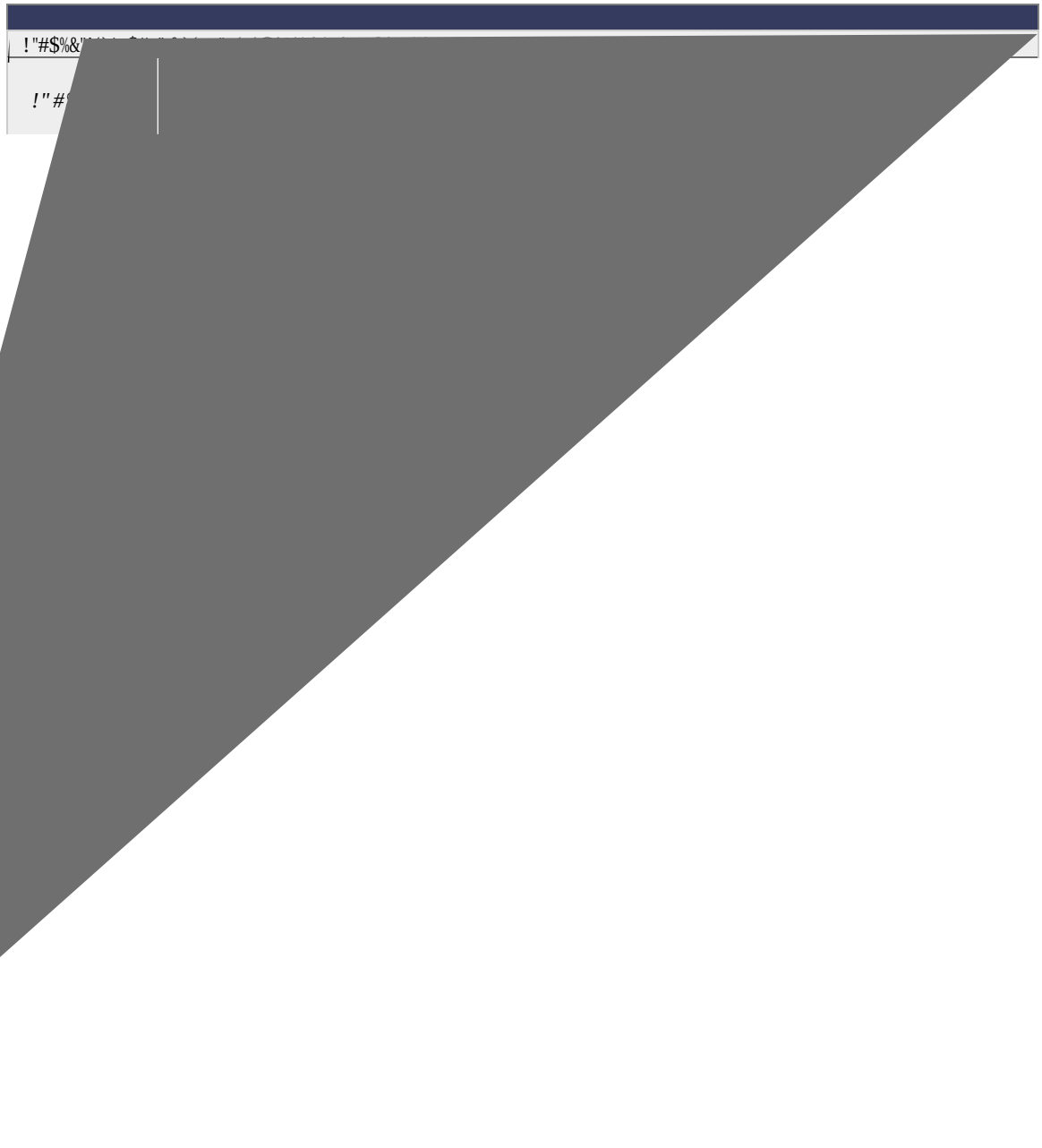
9::;::<;83)=!)0*9L\93;),*=0*9<)%);8>?*=8<;8396)0;=:6?;86;:)<B:B)

C. ,(1/('5)@$'(."./)=CDE15$2)F,@=G)



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0 ; = @)ZMU)P)?21D1K$) 0 $1E7$ 5 "2D(H)%) : K(" . /)RORMJ) S . 1+-$4/$) X) 6 1 5 5 C . "E 'D" 1 .)F < 1(' . G))

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***$I-$ED"1.2)1.)3($.42)'.4),(1/('5):D'D"2D"E2J)**

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+M.)*&!`-$$!@A@@N!/#/-$!%*.#$$0%*/!>#.!-$$!($-55%5!#>>%.%3!Q9!/2%!3%,-./0%*/!F-5!G]A!`R1'X!

1*.#$$0%*/!.%-(2%3!-*!-$$B/)0%!2)&2!#>!@cG!`R1'!)*!`-$$!@AG]!-*3!2-5!

&%*%.-/)#*!5/M3%*/5!F)/2!E^e!>).5/!&%*%.-/)#*!)*!`-$$!@A@@!VR-Q$%!GJWX!R)0%!/#!3%&.%%!)5!CXG!9%-.5!>#.!5/M3%*/5!VR-Q$%!G^WX!

0C<;=?D9%

RF#!/%*M.%B/.-(L!>-(M$/9!$%>/!/2%!3%,-./0%*/!-/!/2%!%*3!#>!/2%!@GB@@!-(-3%0)(!9%-.X!K*%!*%F!/%*M.%B/.-(L!>-(M$/9!0%0Q%.!_#)*%3!/2%!3%,-./0%*/!)*!`-$$!@A@@X!K*%!/%*M.%3!>-(M$/9!0%0Q%.!5/-./%3!/2%!`1=6!,.#&.-0!)*!`-$$!@A@GX!R2.%%!/%*M.%3!>-(M$/9!0%0Q%.5!5/-./%3!/2%!`1=6!,.#&.-0!)*!`-$$!@A@CX!

+M.)*&!`-$$!@A@@N!/2%!/#/-$!>-(M$/9!2%-3(#M*/!F-5!GJN!F)/2!J!/%*M.%B/.-(L!>-(M$/9!-*3!GA!$%(/M.%.5N!>#.!-*!`R1!#>!G]AX!`R1`!F-5!JXE!>#.!`-$$!@@!-*3!2-5!4-.)%3!Q%/F%%*!^XE!-*3!cXC!#4%.!/2%!,-5/!>)4%!9%-.5X!R2%!.%$-/)4%!,.#,#./)#*5!#>!/%*M.%B/.-(L!>-(M$/9!/#!$%(/M.%.5!)*!/%.05!#>!`R1`!3M.)*&!`-$$!@A@@!F-5![[e!.%&M$-.!/%*M.%B/.-(L!>-(M$/9!-*3!JAe!$%(/M.%.5X!

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R2%!.%$-/)4%!,.#,#./)#*5!#>!/%*M.%B/.-(L!>-(M$/9!/#!$%(/M.%.5!)*!/%.05!#>!`R1`!>$M(/M-/%5!(#*5)3%.-Q$9!>.#0!9%-.!/#!9%-.!3M%!/#!/2%!50-$$!5)P%!#>!/2%!3%,-./0%*/!-*3!>-(M$/9!-55)&*%3!/)0%X!:4%.-&%3!#4%.!/2%!,-5/!>)4%!9%-.5N![[e!#>!`R1`!F%.%!/%*M.%B/.-(L!-*3!JAe!F%.%!$%(/M.%.5X!:$/2#M&2!$%(/M.%.5!,.)0-.)$9!/%-(2!&%*%.-$!%3M(-/)#*!V81W!(#M.5%5N!/2%9!-$5#!/%-(2!5#0%!($-55%5!>#.!0-_#.5X!R2)5!/.%*3!)5!F#.5%*)*&!#4%.!/)0%!F)/2!0#.%!$%(/M.%.5!/%-(2)*&!/2%!QM$L!#>!/2%!(#M.5%5!)*($M3)*&!5#0%!M,,%.!3)4)5)#*!0-_#.!($-55%5X!

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'5Q;5B?%EF6%'5BF;6<5B!

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'5Q;5B?%EF6%,5A;651,6C<R%S765B9!

!$)&2/!#>!/2%!3%,-./M.%!#>!/F#!/%*M.%B/.-(L!>-(M$/9!)!@A@G;@@N!>#M.!RR!>-(M$/9!*#F!%*.#$$%3!)*!/2%!`1=6!,.#&.-0N!-*3!-5!3%0#*5/.-/%3!Q9!/2%!+%,-./0%*/S5!#*&#)*&!$#F!,.#,#./)#*!#>!/%*M.%B/.-(L!>-(M$/9!/#!$%(/M.%.5N!2)&2!'`=N!-*3!$-.&%!*M0Q%.!#>!`R1'N!/2%!+%,-./0%*/!*%%35!>#M.!-33)/)#*-$!>-(M$/9!0%0Q%.5X!`#M.!*%F!>-(M$/9!0%0Q%.5!-.%!*%%3%3!/#!.%3M(%!/2%!+%,-./0%*/S5!.%$)-*(%!#*!$%(/M.%.5!>#.!/%-(2)*&!5,%()-$)P%3!(#M.5%5!>#.!0-_#.5N!/#!0%*/#.!&.-3M-/%!5/M3%*/5N!-*3!/#!,.#4)3%!Q%//%.!#4%.5)&2/!#>!#*$)*%!81!(#M.5%5!/2-/!-.%!(M..%*/$9!/-M&2/!Q9!$%(/M.%.5X!Y%!/2%.%>#.%!.%ZM%5/!>#M.!/%*M.%B/.-(L!,#5)/)#*5!>#.!@A@CB@[N!#*%!)*!'#)$5!'()%*(%N!#*%!)*!:/0#5,2%.)(!'()%*(%!#.!K(%-*#&.-,29N!#*%!'/.M(/M.-$!8%#$#&)5/!#.!8%#,295)()5/N!-*3!#*%!1*4).#*0%*/-$!U93.#$#&)5/X!'#$)()/-/)#*5!F)$$!%0,2-5)P%!%I,%./)5%!)*!/2%!-5,%(/5!#>!/2%5%!5MQ3)5(),$)*%5!-55#()-/%3!F)/2!($)0-/%!(2-*&%!-*3!/2.%-/5!5M(2!-5!5%-!$%4%$!.)5%N!.%3M(%3!-).!ZM-$)/9!3M%!/#!F)$3>).%5N!($)0-/%!F2),$-52!-*3!)/5!->>%(/!#*!(.#,5!-*3!>.%52!F-/%.!5M,,$)%5N!-*3!-3-,/-/)#*!)*>.-5/.M(/M.%X!Y)/2!/2%5%!*%F!>-(M$/9!F%!F)$$!Q%!-Q$%!/#!Q%//%.!5%.4%!-$$!C!,.#&.-05!-*3!)*(.%-5%!/%*M.%!/.-(L!3%*5)/9X!

'5Q;5B?%EF6%(?G56%'5BF;6<5B!

:$$!.%&M$-.!>-(M$/9!(M..%*/$9!2-4%!-55)&*%3!#>>)(%!5,-(%!)*!'()%*(%!H#./2X!*!5#0%!(-5%5N!#>>)(%!5,-(%!)5!(#0Q)*%3!F)/2!$-Q!5,-(%!#.!52-.%3!F)/2!

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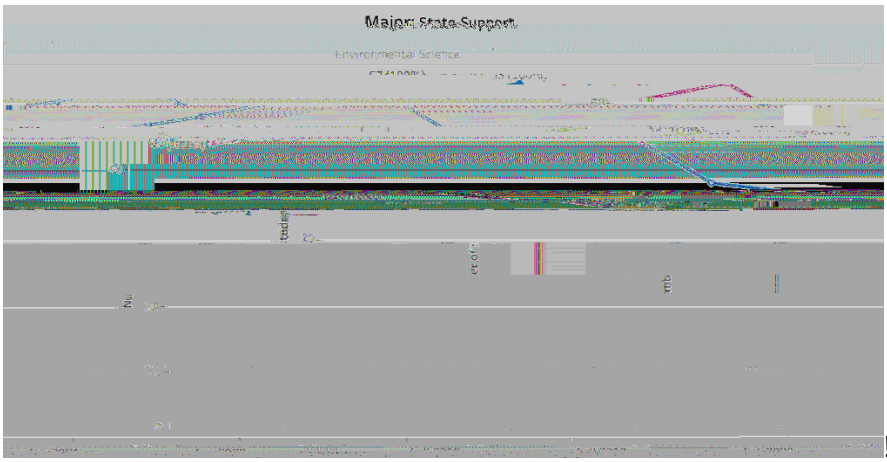

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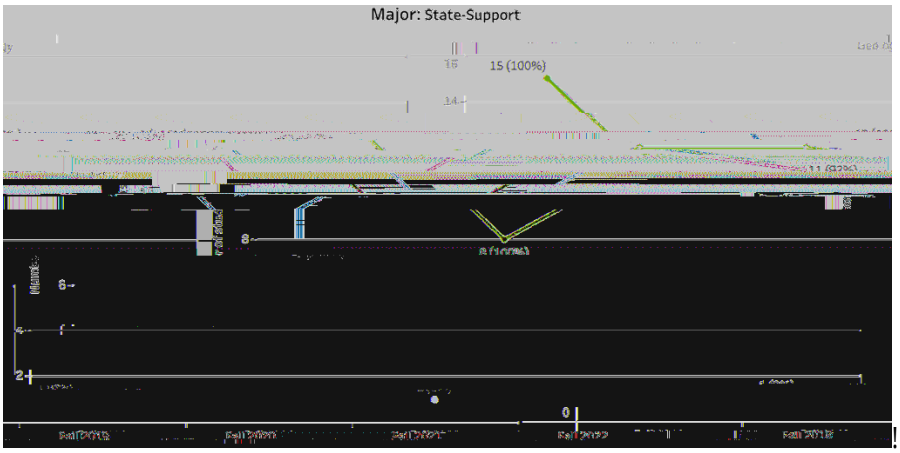

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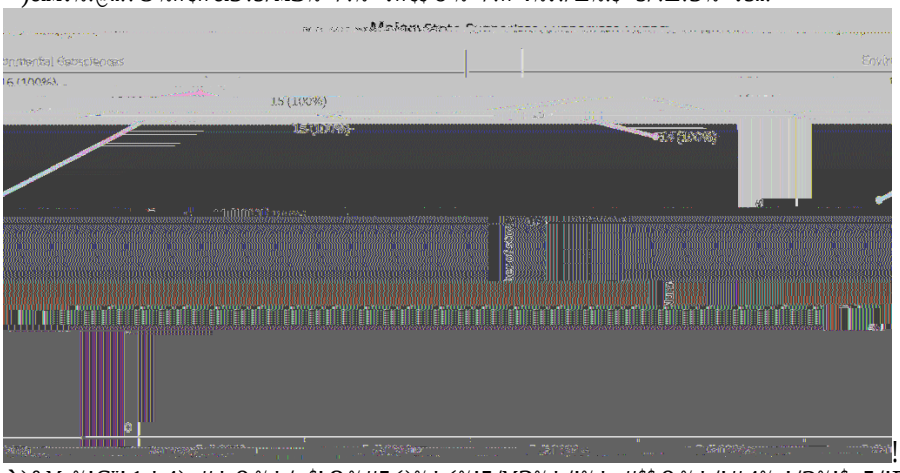

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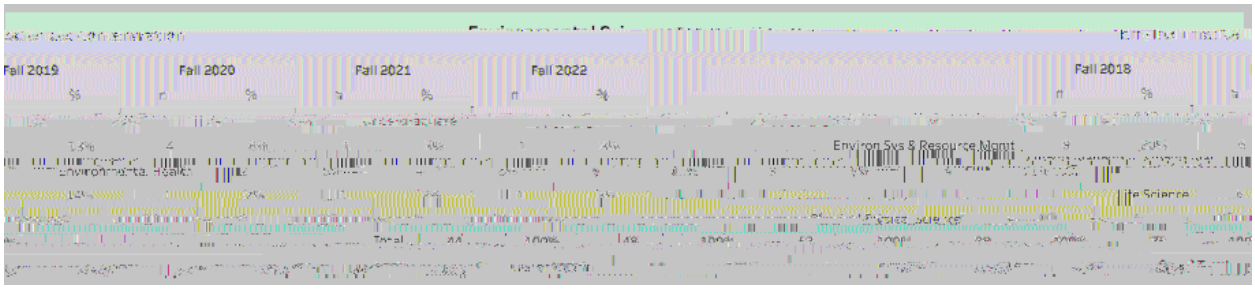

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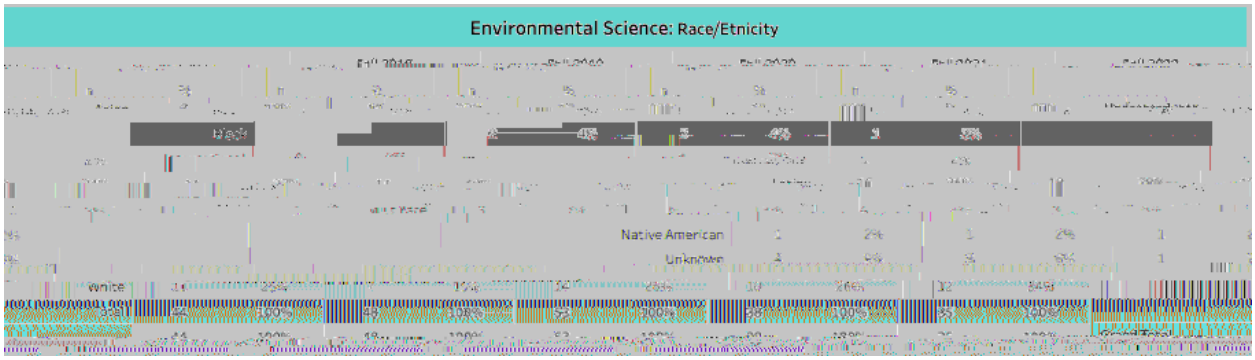

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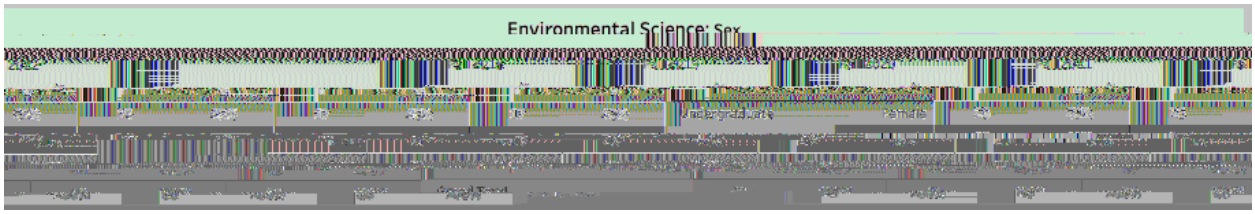

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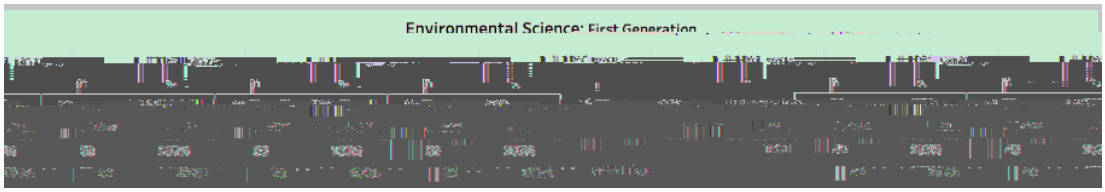

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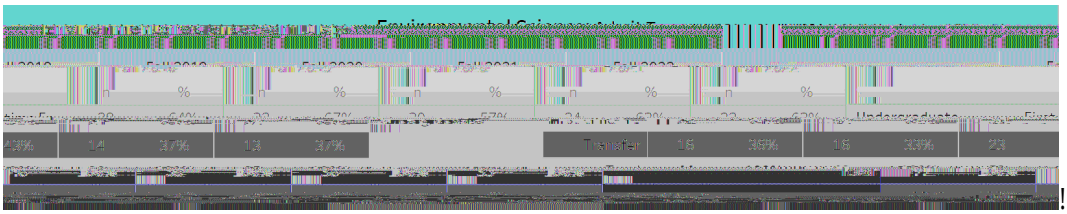

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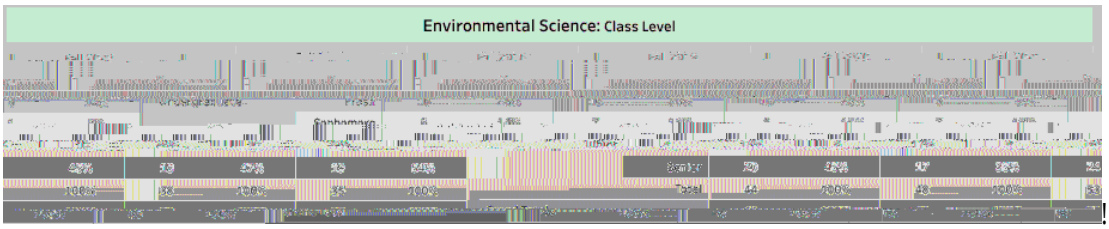

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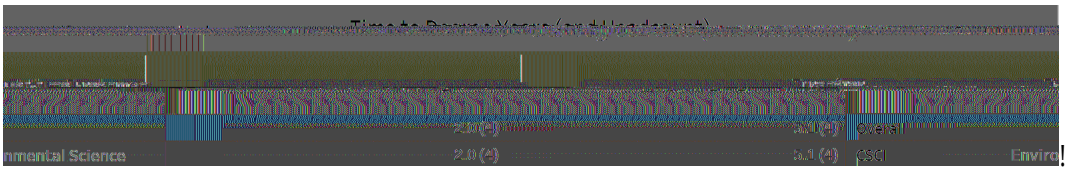
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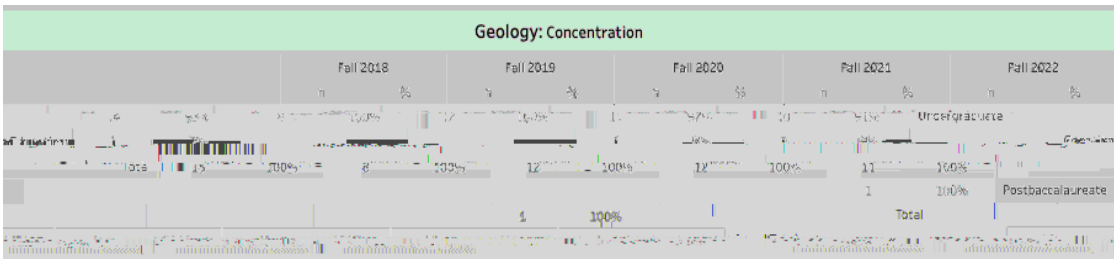

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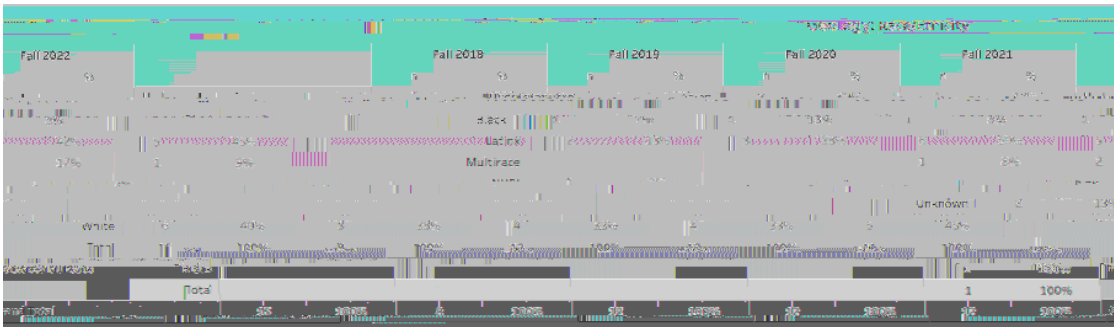

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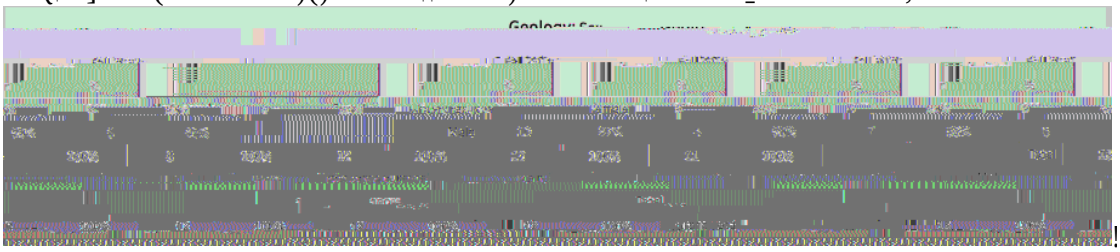
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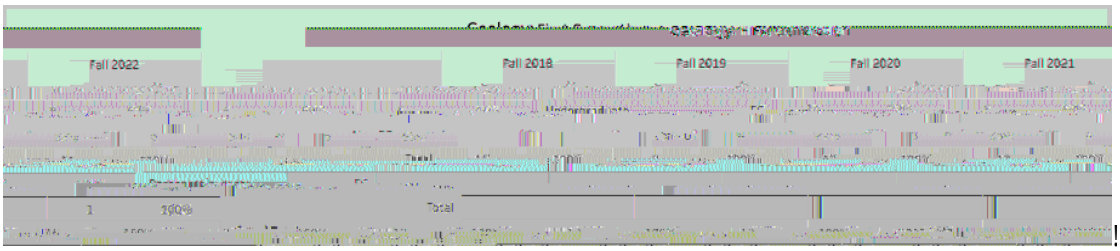

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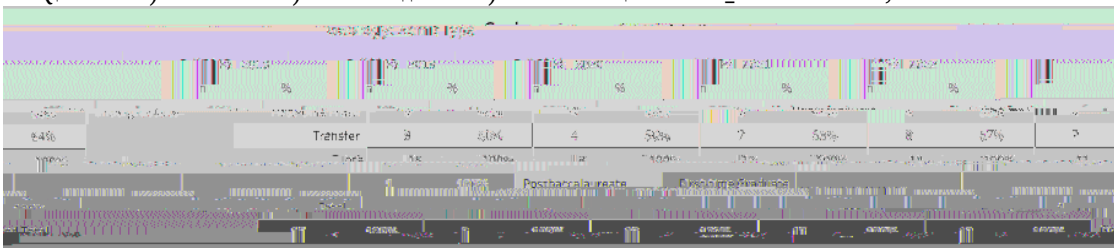

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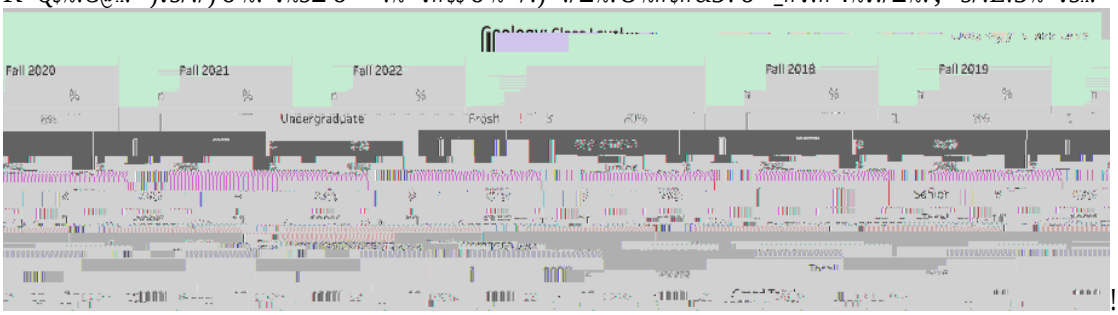

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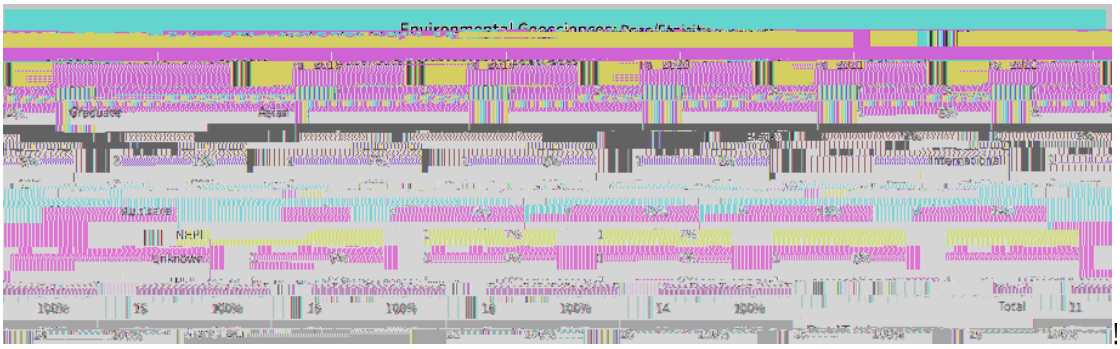

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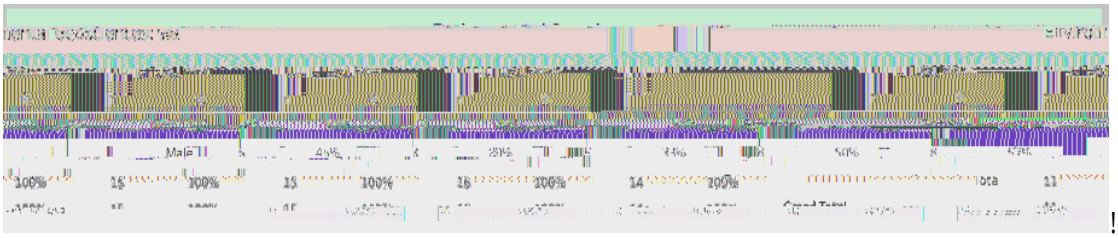

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